

7 July 1967

25X1A

TO : [REDACTED] SPO

25X1A

SUBJECT: Furnishing of Aperture Cards [REDACTED]

1. I am writing this in response to your letter of 28 June 1967 of the same subject.

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2. The statement by [REDACTED] to the effect that "the Contractor never intended that aperture cards would be provided for all vendor equipment" is correct. The contracts in question provide for microfilm on drawings to the assembly level of EMR contractor produced equipment. [REDACTED] informed me that in a case of the EMR prime system and the OPS AGE that the microfilm has been provided and he is in the process to have the CPC microfilm delivered by 8 August 1967. However, revisions will be submitted occasionally to update the microfilm to the latest configuration.

3. As you are undoubtedly aware, the intent of the original maintenance philosophy was field level maintenance at the LRU level which, in turn, dictated the level of provisioning and the level of AGE and drawing acquisition. Vendor drawings were only acquired for items which your SPO engineers felt were a potential problem, and this, in the case of [REDACTED] was primarily for [REDACTED] equipment. Until the Air Force decides that a maintenance level would be below the LRU level, then no action can be taken on the contracts to change them to get lower level drawings.

4. It is my understanding that [REDACTED] plans to meet with [REDACTED] in the near future to define areas in which lower level maintenance is feasible. Until this is accomplished and new statements of work are prepared, we are unable to amend contracts to require additional data.

Sincerely,

25X1A

28 June 1967

25X1A

SUBJECT: Furnishing of Aperture Cards By [REDACTED]

25X1A

TO: [REDACTED]

25X1A  
25X1A

We have recently been advised by the PSO that [REDACTED] of [REDACTED] stated the contractor never intended that aperture cards would be provided for all Vender equipment. A copy of their letter is attached.

We have reviewed the contracts (FH 7321 and FH 7322) and find that they specifically state drawings will be maintained along with microfilm and that they will be updated to provide currency. It is from the drawings that the aperture cards are prepared. However, at the present time we are experiencing considerable difficulty in obtaining the aperture cards we consider necessary for management of the systems.

25X1A

We request that the contracting officer determine from [REDACTED] the specific items of equipment for which they intend to provide aperture cards and when. We will review this listing and advise you of further action desired.

25X1A

Sincerely,  
[REDACTED]

1 Atch.  
PSO Ltr.  
Dtd. 19 June 67

28 June 1967

25X1A

SUBJECT: Furnishing of Aperture Cards [REDACTED]

25X1A

TO: [REDACTED]

25X1A

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We have recently been advised by the PSO that [REDACTED] of [REDACTED], stated the contractor never intended that aperture cards would be provided for all Vender equipment. A copy of their letter is attached.

We have reviewed the contracts (FH 7321 and FH 7322) and find that they specifically state drawings will be maintained along with microfilm and that they will be updated to provide currency. It is from the drawings that the aperture cards are prepared. However, at the present time we are experiencing considerable difficulty in obtaining the aperture cards we consider necessary for management of the systems.

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We request that the contracting officer determine from [REDACTED] the specific items of equipment for which they intend to provide aperture cards and when. We will review this listing and advise you of further action desired.

Sincerely,

25X1A

[REDACTED]

1 Atch.  
PSO Ltr.  
Dtd. 19 June 67

19 Jun 1967

SUBJECT: Delivery of Aperture Cards by EMR and GDR Contractor (AI)

25X1A TO: SPO [REDACTED]

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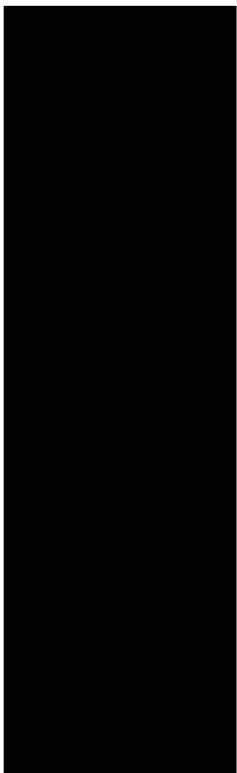
1. This is to advise that there are serious deficiencies in the delivery of aperture cards covering the systems procured under contracts [REDACTED] 33(657)-12843 and [REDACTED] 33(657)-12846. Provisioning documents are used as a guide in isolating parts of the EMR system and GDR system for which no aperture cards have been delivered.

2. The following is a summary of aperture card delivery status:

LIST NR	EQUIPMENT	MANUFACTURER	APERTURE CARDS	
			RECD	NOT RECD
1.	EMR	[REDACTED]	X	
3.	N/B Recorder	[REDACTED]	X	
4.	SCL	[REDACTED]	X	
25X1A 5.	Central Power Supply	[REDACTED]		X
6.	W/B Recorder	[REDACTED]	X	
10.	I/O Simulator	[REDACTED]	X	
11.	Memory System	[REDACTED]	X	
15.	DPOD	[REDACTED]	X	
16.	SDS Computer Model 3336	[REDACTED]		X
20.	OPS AGE	[REDACTED]	X	
21.	TDPS Computer	[REDACTED]		X
22.	Micro Wave Amp	[REDACTED]		X
23.	D/A Converter	[REDACTED]		X
24.	A/D Converter	[REDACTED]		X
25.	Signal Selector	[REDACTED]		X
27.	Switches and Attenuators	[REDACTED]		X
28.	Sweep Oscillators	[REDACTED]		X
29.	Stable RF Sig. Source	[REDACTED]		X
30.	Air Conditioner (Cart)	[REDACTED]		X
31.	Air Conditioner (IFU)	[REDACTED]		X
32.	W/B DeMod Box	[REDACTED]	X	
33.	Bands 1-5 Sig. Source	[REDACTED]		X
34.	Power Supply VI	[REDACTED]		X
35.	Receiver Test Set	[REDACTED]		X
35.	Scan Word Display	[REDACTED]		X
35.	Scan Directional Encoder	[REDACTED]		X
35.	Wide Open Encoder	[REDACTED]		X
35.	Coded Pulse Generator	[REDACTED]		X
35.	Frequency Synthesizer	[REDACTED]		X

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LIST NR	EQUIPMENT	MANUFACTURER	APERTURE CARDS	
			RECD	NOT RECD
51.	CPC ?			X
52.	2-Track Recorder			X
53.	7-Track			X
54.	N/B Recorder/Re-producer			X
55.	Memory System Model 3265			X
56.	Plotter, 45X60			X
57.	W/B Recorder/Re-producer			X
58.	Plotter, 30X30			X
60.	Card Tester			X
60.	Test Word Gen.			X
61.	Memory System Model 1024			X
62.	Tape Recorder and Handler			X
63.	Tape Reader and Spooler			X
64.	Tape Transport			X
65.	Animation Stand			X
66.	Audio Processor			X
67.	N/B Recorder			X
68.	Portable Recorder			X

3. We are advised by the contractor that delivery of some aperture cards covering portions of the GDR system is imminent. However, the contractor stated that it was never intended that aperture cards be provided for all vendor equipment. Failure of the vendors to react to contractor requests for drawings is given as the reason for not furnishing aperture cards for complete systems. Our interpretation of the pertinent contracts is that the contractor is obligated to furnish aperture cards for the entire systems not just parts of them. We discussed this during provisioning conferences and were assured that we would be provided complete system aperture cards including vendor furnished equipment. This can be confirmed in "Minutes of Fourth Provisioning Conference, 30 Nov - 2 Dec 1965", dated 6 Dec 1965.

4. Some of the commercial manuals provided include illustrated parts breakdowns but there are no provisions for updating such lists. A review of the latest RFP for the services contract fails to reveal any provisions for updating aperture cards either. Spares changes, to date, number in the thousands. It is difficult to conceive how the EMR and GDR systems, complex as they are, can be effectively managed without first of all identifying items in the systems and, secondly, a program to update such data as changes are made to the system. **NOT SO.**

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5. Request contracts mentioned be reviewed for correct interpretation of aperture card requirements. Request action as required be taken to insure that the field is provided with adequate identification of parts making up these systems. Further, request action to assure that the services/contract includes provisions for updating such data as changes occur.

  
Technical Services Division